KEY ESCROW SYSTEMS

ABSTRACT OF THE DISCLOSURE

The storage and retrieval of cryptographic key
materials from a storage database utilizes a limited one-
way function to create computational barriers. The
limited one-way function is asymmetric in nature, in
terms of work to compute and work to invert, to store and
retrieve encryption keys. The limited one-way function
is not intractable, but alternatively, there is some
measureable difference in the amount of work required to
invert a stored encryption key, compared to the work
required for a calculation of the output of the one-way
function for storage of an encryption key in a database.